

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Agazzi *et al.*

Appl. No. 09/909,896

Filed: July 23, 2001

For: **Methods and Systems for Digitally
Processing Optical Data Signals**

Confirmation No. 9207

Art Unit: 2662

Examiner: Tran, Thien

Atty. Docket: 1875.1100001



Second Information Disclosure Statement

Commissioner for Patents
Washington, D.C. 20231

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below.

- 1. This Information Disclosure Statement is being filed within three months of the date of filing of a national application other than a continued prosecution application (CPA), OR within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, OR before the mailing date of a first Office Action on the merits OR before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.
- 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.
 - a. I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
 - b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to

the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

c. Attached is our Check No. _____ in the amount of \$ _____ in payment of the fee under 37 C.F.R. § 1.17(p).

3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Enclosed find our Check No. _____ in the amount of \$ _____ in payment of the fee under 37 C.F.R. § 1.17(p); in addition:

a. I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

4. The document(s) was/were cited in a search report by a foreign patent office in a counterpart foreign application. Submission of an English language version of the search report that indicates the degree of relevance found by the foreign office is provided in satisfaction of the requirement for a concise explanation of relevance. 1138 OG 37, 38.

5. A concise explanation of the relevance of the non-English language document(s) appears below:

6. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. _____, filed _____, which is relied upon for an earlier filing date under 35

U.S.C. § 120. Thus, copies of these documents are not attached. 37
C.F.R. § 1.98(d).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



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Attorney for Applicants
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Date: 3/22/02

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 1875.1100001		APPLICATION NO. 09/909,896	
		APPLICANT Agazzi et al.			
		FILING DATE July 23, 2001		GROUP 2662	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
AA1	5,650,954	07/1997	Minuhin	364	825	01/1996
AB1	5,881,108	03/1999	Herzberg et al.	375	296	02/1996
AC1	5,996,415	10/1999	Bliss et al.	375	350	06/1997
AD1						
AE1						
AF1						
AG1						
AH1						
AI1						
AJ1						
AK1						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
AL1	0 483 439 A1	10/1990	Europe			Yes No
AM1	EP 0 805 447 A2	03/1997	Europe			Yes No
AN1						Yes No
AO1						Yes No
AP1						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	1	Olshansky, Robert et al., "Subcarrier Multiplexed Lightwave Systems for Broad-Band Distribution," <i>Journal of Lightwave Technology</i> , Vol. 7, No. 9 (September 1989) pp. 1329-1341.
AS	1	Bingham, John A. C., "Multicarrier Modulation for Data Transmission: An Idea Whose Time Has Come," <i>IEEE Communications Magazine</i> , (May 1990), pp. 5-14.
AT	1	Chiddix, James A. et al., "AM Video on Fiber in CATV Systems: Need and Implementation," <i>IEEE Journal on Selected Areas in Communications</i> , Vol. 8, No. 7 (September 1990), pp. 1229-1239.

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA2						
MAR 22 2002 PATENT & TRADEMARK OFFICE U.S. DEPARTMENT OF COMMERCE SCT:TT	AB2						
	AC2						
	AD2						
	AE2						
	AF2						
	AG2						
	AH2						
	AI2						
	AJ2						
	AK2						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL2						Yes No
	AM2						Yes No
	AN2						Yes No
	AO2						Yes No
	AP2						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	2	Darcie, Thomas E., "Subcarrier Multiplexing for Lightwave Networks and Video Distribution Systems," <i>IEEE Journal on Selected Areas in Communications</i> , Vol. 8, No. 7 (September 1990), pp. 1240-1248.
AS	2	Olshansky, Robert et al., "Subcarrier Multiplexed Coherent Lightwave Systems for Video Distribution," <i>IEEE Journal on Selected Areas in Communications</i> , Vol. 8, No. 7 (September 1990), pp. 1268-1275.
AT	2	Kanno, Norio and Ito, Katsuyoshi, "Fiber-Optic Subcarrier Multiplexing Video Transport Employing Multilevel QAM," <i>IEEE Journal on Selected Areas in Communications</i> , Vol. 8, No. 7 (September 1990), pp. 1313-1319.

EXAMINER	DATE CONSIDERED

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA3					
	AB3					
	AC3					
	AD3					
	AE3					
	AF3					
	AG3					
	AH3					
	AI3					
	AJ3					
	AK3					

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL3					Yes No
	AM3					Yes No
	AN3					Yes No
	AO3					Yes No
	AP3					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	3	Liu, Ming-Kang and Modestou, Panayiotis C., "Multilevel Signaling and Pulse Shaping for Spectrum Efficiency in Subcarrier Multiplexing Transmission," <i>Journal of Lightwave Technology</i> , Vol. 12, No. 7 (July 1994), pp. 1239-1246.
AS	3	Hatamian, Mehdi et al., "Design Considerations for Gigabit Ethernet 1000Base-T Twisted Pair Transceivers," <i>Proceedings of the Custom Integrated Circuits Conference</i> , May 11-14, 1998, pp. 335-342.
AT	3	Frazier, Howard, "10Gig MII update," <i>IEEE 802.3 Higher Speed Study Group</i> , November 9, 1999, pp. 1-24.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA4					
	AB4					
	AC4					
	AD4					
	AE4					
	AF4					
	AG4					
	AH4					
	AI4					
	AJ4					
	AK4					

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL4					Yes No
	AM4					Yes No
	AN4					Yes No
	AO4					Yes No
	AP4					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	4	Alderrou, Don et al., "XAUI/XGXS Proposal," IEEE 802.3ae Task Force, May 23-25, 2000, slides 1-26			
AS	4				
AT	4				

EXAMINER

DATE CONSIDERED

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